ROUTING AND RECORD SHEET

SUBJECT: (Optional)

Agency Minicomputer Inventory

FROM:	EXTENSION	NO.
D/ODP 2D00 HQS		ODP-81-316
		DATE 11 March 1981

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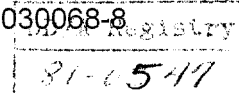| TO: (Officer designation, room number, and building)	DATE RECEIVED	FORWARDED	OFFICER'S INITIALS	COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)
1. EO/DDA 7D18 HQS	12 MAR 1981	12 MAR 1981	mjc	Max: As the attached attests, the first problem one has with minicomputers is defining what one means by "minicomputer." In this brief report we have tried to eliminate embedded equipment and emphasize units with at least the potential for general purpose computing. The key point is that whatever has happened in the past, today's procedures permit us to say with considerable confidence that we can control new acquisitions.
2. ODP	3-13		N	
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FORM 610 USE PREVIOUS EDITIONS
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ODP-81-316
11 MAR 1981

MEMORANDUM FOR: Deputy Director for Administration

FROM: Bruce T. Johnson
                 Director of Data Processing

SUBJECT: Agency Minicomputer Inventory

    1.   Attached are five tables which summarize the Agency minicomputer inventory at the present time.   Attachment A shows the breakdown by Directorate while Attachments B through E itemize the inventory within each Directorate by Office. Attachment A shows a total inventory of 71 minicomputers.   We count as a minicomputer what the data processing industry defines to be the conventional minicomputer.   We therefore do not include microprocessor systems in this tally (e.g., TRS-80, and APPLE systems of which there are many in the Agency).

    2.   We had previously given you a figure of 73 minicomputers.   This was obtained from data reported to the O/Comptroller by each Agency component individually (an O/Comptroller requirement).   The 71 represents an update of the O/Comptroller figure resulting from the addition of a number of minicomputers not previously reported by Agency components, and the subtraction of minicomputers yet to be delivered or which are not true minicomputers as defined by the industry.   It also does not include the specialized minicomputer equipment which is embedded in the message switching systems of the Office of Communications nor does it include the nine PDP 11/34 minicomputers which are integrated into the graphics work stations on the Telemetry Analysis and Display System (TADS) which we operate for OSWR.   Further we cannot guarantee that we have included every possible minicomputer in the Agency since we are ultimately dependent upon the end user to report them.

    3.   The overwhelming majority of these minicomputers are either embedded in larger systems (the OGSR HP 2100 computer is the controller for a flatbed plotter) or are dedicated to specialized applications (the PDP 11 computers in OSO are used exclusively for signal processing).

4.   There are two minicomputer systems that are general purpose in nature worthy of special note. The IBM 4331 in ODP was obtained for project GIMINI, an ODP initiative to develop a mainframe compatible version of our database management system called GIMS (Generalized Information Management System) on a minicomputer. This allows us to develop new GIMS applications on our central system and provide the flexibility of being able to implement them centrally or on remote minicomputers with no cost for software conversion. The other minicomputer complex is the Crisis Management System in the Office of Current Operations (OCO). Implemented on a PDP 11/70 minicomputer this is an R&D effort using general purpose equipment to provide extremely reliable computer based support to the NFAC analyst in a crisis environment.

5.   One last point should be made. We work closely with the O/Comptroller in evaluating component budget requests for minicomputers. As a result of our review of seven requests for minicomputers in FY 82 two were found to be no longer required and three others were referred to ODP for follow-up study. We believe the mechanisms in place allow us to exercise proper control over the acquisition of minicomputers in the Agency.

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Bruce T. Johnson

Atts: a/s

cc: ISSG/OS
     IHSA

AGENCY MINICOMPUTER INVENTORY

Directorate	Quantity
DDS&T	30
DDA	19
NFAC	14
DDO	8
TOTAL	71

DDS&T MINICOMPUTER INVENTORY

OFFICE	QUANTITY	TYPE OF EQUIPMENT	PURPOSES
OSO	10 6 1	Harris Systems PDP 11 Honeywell 316	Signal processing and analysis " " " " Signal collection
NPIC	5 1 1 1	Perkin-Elmer 8/32 HP 3000 IMLAC 1554 PDP 11/45	Real-time mensuration Image enhancement Text editing and composition High speed text search
ORD	1 1 1 1	HP 3000 Varian 620 PDP 11/34 PDP 11/34	Image enhancement Acoustical data and signal processing Image digitizing and restoration Relational database development

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DIRECTORATE
  TOTAL   30

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DDA MINICOMPUTER INVENTORY

OFFICE	QUANTITY	TYPE OF EQUIPMENT	PURPOSES
OL	4 1 1	PDP 11 PDP 11/45 Lockheed 500	Electronic text editing and composition P&PD management information system COM System
ODP	3 1 1	IV Phase IBM 4331 Microdata	Data entry Project GIMINI (IBM 370 compatible DBMS) OPPPM applicant tracking system
OS	1 2 1 1	IV Phase Data General 1200 PDP 11/35 PDP 11/34	Data entry Access control " " Interagency training
OTE	1	PDP 11/45	Classroom exercises and training
OC	1	IBM System 3	Cryptography accounting
OMS	1	Varian 76 (UNIVAC)	Medical information processing

DIRECTORATE
  TOTAL   19

NFAC MINICOMPUTER INVENTORY

OFFICE	QUANTITY	TYPE OF EQUIPMENT	PURPOSES
OGSR	4 2 1	PDP 11 HP 2100 Data General	Plotter control and color slide composition Plotter control Digitizer
OCR	2 2	PDP 11/45 GE	Library automation High speed text search system
OCO	2	PDP 11/70	Crisis management
OSWR	1	PDP 11/34	Data analysis

DIRECTORATE
  TOTAL   14

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ATTACHMENT E

DDO MINICOMPUTER INVENTORY

OFFICE	QUANTITY	TYPE OF EQUIPMENT	PURPOSES
IMS	2 2 1 1 1	IV Phase Level 6 Honeywell PDP 11/34 Microdata Reality IBM 4331	Data entry CRAFT testbed Russian-English translation system Storage/Retrieval compartmented information " " " "
ITC	1	PDP 11/45	File online terrorist

DIRECTORATE
  TOTAL   8

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